



DuPage Water Commission

600 E. Butterfield Road, Elmhurst, IL 60126-4642
(630)834-0100 Fax: (630)834-0120

AGENDA

**ENGINEERING & CONSTRUCTION COMMITTEE
THURSDAY, APRIL 20, 2017
6:00 P.M.**

**600 EAST BUTTERFIELD ROAD
ELMHURST, IL 60126**

COMMITTEE MEMBERS

D. Loftus, Chair
J. Fennell
F. Saverino
M. Scheck
J. Zay

- I. Roll Call
- II. Approval of Committee Meeting Minutes

RECOMMENDED MOTION: To approve the Minutes of the March 16, 2017 Engineering & Construction Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Construction/Operations
- IV. R-10-17: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-7/15 **(Windy City Electric Company – Estimated Cost of \$2,500.00)**
- V. R-11-17: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with AECOM **(Task Order No. 05 – Electrical Safety Studies - \$67,900.00)**
- VI. RFBA: Authorization for the General Manager to Execute a Two (2) Year Work Wear Supply Contract for Employee Uniforms **(Villa Park Electrical Supply Co., Inc. – Estimated Two-Year Amount of \$27,156.95)**
- VII. Old Business
- VIII. Other
- IX. Adjournment

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All visitors must present a valid drivers license or other government-issued photo identification, sign in at the reception area and wear a visitor badge while at the DuPage Pumping Station.

**MINUTES OF THE MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DUPAGE WATER COMMISSION
HELD ON THURSDAY, MARCH 16, 2017
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 6:00 P.M.

Committee members in attendance: D. Loftus, J. Fennell, F. Saverino, M. Scheck and J. Zay

Committee members absent: None

Also in attendance: C. Bostick, E. Kazmierczak, T. McGhee, J. Schori, J. Spatz and M. Weed.

Commissioner Scheck moved to approve the Minutes of the February 16, 2017 Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Commissioner Fennell.

All voted aye: Motion passed

Facilities Construction Supervisor Bostick provided an oral summary of the Status of Operations reports dated March 9, 2017:

Regarding The Contract for the Rehabilitation of Coating Systems and Fall Protection Systems for Tank Sites No. 3 (Contract SS-8/17) with Era-Valdivia Contractors, Inc., Facilities Construction Supervisor Bostick advised the work is ready to commence on or about April 1st, the Contract Completion Date is July 7th, and a letter has been sent to office buildings in close proximity to the Commission's property to advise them of what to expect during the rehabilitation processes.

Facilities Construction Supervisor Bostick advised the Committee that the annual Customer Meter Testing Program is approximately 75% complete and without any issues reported.

Regarding Quick Response Electric Contract QRE-7/15, Facilities Construction Supervisor Bostick advised the Committee that Work Authorization Order (WAO) No. 12 to perform various upgrades at 73 remote facilities is scheduled to commence by the end of March.

Facilities Construction Supervisor Bostick advised the Committee that the large diameter valve replacement on Butterfield Rd. at Marshall Ave. in Oakbrook Terrace is on schedule to begin on or about April 3rd.

Regarding R-8-17, Facilities Construction Supervisor Bostick advised that the current Quick Response Contracts (QR-10/13) are scheduled to end on June 30, 2017 and R-8-17 appears on the agenda seeking authorization to advertise for bids on Quick Response Contract QR-17/17. Facilities Construction Supervisor Bostick reminded the Committee that Quick Response contracts allow Staff to utilize approved contractors to perform construction and maintenance work where the Commission is unable to perform work through its own Staff or using its own equipment; approval of this resolution does not authorize either construction work or construction-related expenses, however it would approve the costs associated with the print publication of advertisements as required by law; and it is Staff's intent to eventually seek Board authorization to enter into agreements with two or more contractors, each for a two-year period with the option of two additional one-year extensions for each.

Regarding R-7-17, Facilities Construction Supervisor Bostick advised the Committee that the resolution would authorize Task Order No.4 with AECOM for design services of the water main to service the Village of Bartlett. Commissioner Fennell inquired as to the disparity in costs between the individual engineering firm's proposals. Chairman Loftus advised the Committee that this item was originally slated for Board action at the February 2017 meeting, however he had it removed because he too had questions and concerns regarding the disparity in proposal pricing as well as the process utilized in seeking the engineering proposals. Chairman Loftus stated that he and Chairman Zay met with Staff and his concerns have since been alleviated. Chairman Loftus explained to the Committee that in some cases the proposals of the engineering firms with higher fees had included additional tasks that were over and above the scope of work requested, hence the higher cost proposal.

Chairman Zay entered the meeting at 6:10 P.M.

Regarding R-9-17, Facilities Construction Supervisor Bostick advised the Committee the resolution seeks authorization to enter into a Master Task Order Agreement with HBK Engineering, LLC, and add them to the the group of the Commission's pre-qualified engineering firms. Facilities Construction Supervisor Bostick also advised the Committee that this action would not have any cost component associated.

General Manager Spatz entered the Meeting at 6:12 P.M.

Facilities Construction Supervisor Bostick advised the Committee a Request For Board Action (RFBA) appears on the agenda seeking authorization for the General Manager to purchase a replacement vehicle. Facilities Construction Supervisor Bostick advised the Committee the current vehicle had exceeded the minimum age and mileage requirements of Commission policy and is in need of replacement; that several bids were received; and the most favorable bid was submitted by Friendly Ford of Roselle, IL. Both Chairman Zay and Chairman Loftus individually expressed their happiness to see a DuPage County based business was the lowest responsible bidder.

Chairman Loftus inquired with the Committee if there were any questions regarding the action items. Hearing none, Commissioner Fennell moved to recommend approval of

items 2 through 5 of the Engineering and Construction Committee portion of the Commission Meeting Agenda. Motion seconded by Commissioner Scheck.

All voted aye: Motion passed

General Manager Spatz advised the Committee that the Commission has entered into a two year agreement (May 2016 thru 2018) to supply the DuPage Pumping Station's electrical supply and that the Commission agreed to modify the agreement and reduce the capacity charges for the period between June 2017 and May 2018. The modification estimated cost savings is between 5%-6% as compared to the current electrical supply cost.

Manager of Water Operations McGhee advised the Committee that the Commission will be receiving the Water Saver Award for their water conservation efforts from the Illinois Section American Waterworks Association at their annual Conference and Exposition the week of March 20th.

Chairman Loftus inquired the Committee if there were any other business items to be discussed. Hearing none, Commissioner Scheck moved to adjourn the meeting at 6:16 P.M. Motion seconded by Commissioner Saverino.

All voted aye: Motion passed

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DuPage Water Commission

MEMORANDUM

TO: John Spatz
General Manager

FROM: Terry McGhee
Manager of Water Operations

Ed Kazmierczak	Pipeline Supervisor
Chris Bostick	Facilities Construction Supervisor
John Schori	Instrumentation Supervisor
Frank Frelka	GIS Coordinator
Mike Weed	Operations Supervisor

DATE: April 13, 2017

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of March were a total of 1.9 billion gallons. This represents an average day demand of 62.3 million gallons per day (MGD), which is lower than the March 2016 average day demand of 63.1 MGD. The maximum day demand was 65.6 MGD recorded on March 18, 2017, which is lower than the March 2016 maximum day demand of 66.9 MGD. The minimum day flow was 57.3 MGD.

The Commission's recorded total precipitation for the month of March was 4.0 inches compared to 3.3 inches for March 2016. The level of Lake Michigan for March 2017 is 579.2 (Feet IGLD 1985) compared to 579.4 (Feet IGLD 1985) for March of 2016

Water Conservation

At WATERCON in March, the Commission received the ISAWWA 2017 Water Saver Award which recognized the accomplishments of the Water Conservation and Protection Program.

The Water Conservation and Protection Program is scheduled to be represented at Argonne's Earth Day on April 20th and at Cosley Zoo's Party for the Planet on April 22nd.

A tour is scheduled for about 170 sixth-graders on May 12th.

Another SCARCE Teacher Tour is scheduled for June 19th.

Ongoing: Staff is working with SCARCE to earn their Earth Flag. The process consists of a green audit, staff training in recycling and conservation, an action that involves the Commission in the community (i.e. a book drive, cleaning a creek, adopting a highway, etc.), and finally presenting the Earth Flag to the Board Members. Staff has completed the green audit and is working with SCARCE to set up a date for staff training.

Bartlett Water Service

The Commission has held meeting with Roselle and Hanover Park to discuss route options for the Bartlett supply line. Survey crews have been working on various sections of the route and preliminary design for Phase 1 of the project should be ready in early May.

Facilities Construction Overview

DuPage Pumping Station

No Change in Status: The Masonry Rehabilitation and Window Replacement Work at the DuPage Pumping Station with Mertes Contracting Co. is ongoing with fabrication of the additional replacement window frames and laminated glass work completion now being projected for late April.

Standpipe Rehabilitation

Mobilization is underway for the Contract for the Rehabilitation of Coating Systems and Fall Protection Systems for Tank Sites No. 3 (Contract SS-8/17) with Era-Valdivia Contractors, Inc. Selective demolition and steel repairs are the first order of business. The Contract Completion Date is July 7th.

Safety

R-11-17 appears on the agenda to authorize Task Order No. 5 with AECOM Technical Services, Inc. to perform OSHA required Arc Flash hazard analyses and safety labelling at the Commission's remote facilities and to update certain hazard labels at the DuPage Pumping Station.

Infor EAM

Staff is reorganizing information in the Infor Enterprise Asset Management system to make the process of managing work orders more efficient. The mapping and data management capabilities of GIS, which is tightly integrated with Infor EAM, was used to analyze existing data deficiencies and devise a more efficient way to approach asset maintenance in the field.

Instrumentation / Remote Facilities Overview**Meter Testing Program**

The annual customer meter testing program is scheduled to be 100% complete before the end of April. All meters to date have tested within +/- 2% accuracy.

Quick Response Electrical Contract QRE-7/15

No Change in status regarding Work Authorization Order No. 9. This work order allows for the reinstallation of electrical equipment, at the recently replaced 60-inch diameter valve in Lombard, necessary to operate the valve remotely. The remaining work includes the reinstallation of electrical equipment and the installation of power, control, and SCADA wiring. This work has not yet been scheduled, but is expected to take place in late April or May.

Work Authorization Order No. 12 for electrical upgrades at various remote facilities is ongoing with about 22% completed.

R-10-17 appears on the agenda to approve Work Authorization Order No. 13 for repairing a damaged conduit for SCADA communication antenna cable at Meter Station 7B/8F in Darien. A galvanized steel shroud will be anchored to the light pole base surrounding the conduit to prevent future damage.

Pipeline Maintenance and Construction Overview

Staff has found it necessary to postpone the installation of the 60" butterfly valve at Butterfield Road and Marshall in Oakbrook Terrace from April to September or October of this year. An existing 60" valve that is known to be passing water while in the fully closed position, and is the reason for the installation of the new valve, was planned to be used as part of the system isolation for the installation of the new valve. However, this valve is passing significantly more water than was anticipated rendering it useless to isolate the system. Thus, a larger part of the system must now be isolated to install the new valve. Field testing of the additional isolation resulted in a considerable impact to normal system operations. Therefore, Staff will be looking at various hydraulic modeling scenarios with the intent of maintaining normal operations while the system is partially down for the installation of the valve now tentatively scheduled after demand has decreased sometime in late summer/early fall of 2017.

Staff has begun inspection and repair work on distribution system blow off valves and expects to complete this work by the end of the year.

Staff continues collecting cathodic protection test point data.

APRIL 2017 COMMISSION AGENDA ITEMS:

R-10-17: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-7/15 (**Windy City Electric Company – Estimated Cost of \$2,500.00**)

R-11-17: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with AECOM (**Task Order No. 05 – Electrical Safety Studies - \$67,900.00**)

RFBA: Authorization for the General Manager to Execute a Two (2) Year Work Wear Supply Contract for Employee Uniforms (**Villa Park Electrical Supply Co., Inc. – Estimated Two-Year Amount of \$27,156.95**)

Attachments

1. DuPage Laboratory Bench Sheets for March, 2017
2. Water Sales Analysis 01-March-2009 to 31-March-2017
3. DuPage Water Commission Chart Sales vs. Historical Average
4. DuPage Water Commission Chart Sales vs. Allocation

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR MARCH 2017

LEXINGTON SUPPLY

DUPAGE DISCHARGE

DAY	FREE CL ₂ mg/l	TURBIDITY NTU	PO ₄ mg/l	FREE CL ₂ mg/l	TURBIDITY NTU	TEMP °F	pH	Fluoride mg/l	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.94	0.11	0.56	0.91	0.08	38	7.4	0.8	0.54	0	RC
2	0.97	0.10	0.56	0.92	0.07	38	7.4	0.8	0.52	0	RC
3	0.98	0.10	0.53	0.98	0.07	39	7.4	0.8	0.56	0	RC
4	0.94	0.10	0.52	0.97	0.08	39	7.3	0.8	0.50	0	CT
5	1.20	0.10	0.53	1.10	0.07	40	7.3	0.8	0.55	0	CT
6	1.19	0.09	0.52	1.14	0.07	40	7.3	0.8	0.54	0	RC
7	1.28	0.10	0.52	1.19	0.07	40	7.4	0.8	0.56	0	RC
8	1.30	0.10	0.51	1.21	0.07	40	7.3	0.8	0.58	0	RC
9	1.28	0.10	0.57	1.23	0.09	41	7.3	0.8	0.55	0	KD
10	1.28	0.10	0.55	1.21	0.08	41	7.3	0.8	0.59	0	KD
11	1.30	0.10	0.55	1.24	0.07	41	7.3	0.7	0.58	0	CT
12	1.27	0.10	0.51	1.23	0.08	41	7.3	0.7	0.53	0	RC
13	1.30	0.10	0.55	1.19	0.07	41	7.3	0.7	0.54	0	CT
14	1.20	0.10	0.53	1.19	0.07	41	7.3	0.7	0.59	0	CT
15	1.21	0.10	0.54	1.17	0.07	41	7.4	0.7	0.51	0	RC
16	1.09	0.10	0.51	1.13	0.07	42	7.4	0.7	0.54	0	RC
17	0.92	0.10	0.53	0.97	0.07	42	7.3	0.7	0.54	0	RC
18	0.94	0.10	0.56	0.94	0.07	41	7.5	0.7	0.57	0	RC
19	0.97	0.10	0.55	0.91	0.08	41	7.4	0.7	0.57	0	AM
20	1.00	0.10	0.55	0.95	0.08	42	7.3	0.7	0.56	0	AM
21	1.10	0.10	0.57	0.95	0.07	42	7.3	0.7	0.57	0	KD
22	0.96	0.10	0.58	0.90	0.08	42	7.3	0.7	0.57	0	AM
23	0.92	0.10	0.58	0.87	0.08	42	7.3	0.7	0.55	0	AM
24	0.91	0.10	0.57	0.89	0.08	42	7.3	0.7	0.56	0	AM
25	0.99	0.11	0.58	0.89	0.08	42	7.2	0.7	0.55	0	KD
26	0.96	0.10	0.58	0.92	0.08	43	7.4	0.7	0.55	0	KD
27	0.99	0.11	0.57	0.95	0.08	42	7.4	0.7	0.57	0	AM
28	0.96	0.09	0.56	0.98	0.08	42	7.3	0.7	0.56	0	AM
29	0.97	0.09	0.54	0.97	0.08	42	7.2	0.7	0.53	0	KD
30	0.97	0.09	0.58	0.96	0.08	43	7.2	0.8	0.52	0	KD
31	0.95	0.10	0.55	0.94	0.08	43	7.2	0.7	0.52	0	KD
AVG	1.07	0.10	0.55	1.03	0.08	41	7.3	0.7	0.55	0	
MAX	1.30	0.11	0.58	1.24	0.09	43	7.5	0.8	0.59	0	
MIN	0.91	0.09	0.51	0.87	0.07	38	7.2	0.7	0.50	0	


Terrance McGhee
Manager of Water Operations

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 31-Mar-17

PER DAY AVERAGE 79,544,572

MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %	DWC OPER. & MAINT. RATE (3)	CHGO RATE
May-14	2,278,578,000	2,351,587,455	96.90%	\$9,045,954.66	\$7,797,864.00	498,618	0.02%	96.92%	\$3.97	\$3.316
Jun-14	2,389,528,000	2,472,371,532	96.65%	\$9,486,426.16	\$8,198,384.00	11,296,747	0.46%	97.11%	\$3.97	\$3.316
Jul-14	2,517,890,000	2,597,231,604	96.95%	\$9,996,023.30	\$8,612,420.00	9,644,357	0.37%	97.32%	\$3.97	\$3.316
Aug-14	2,545,942,000	2,624,634,258	97.00%	\$10,107,389.74	\$8,703,287.20	1,259,369	0.05%	97.05%	\$3.97	\$3.316
Sep-14	2,228,595,000	2,290,499,879	97.30%	\$8,847,522.15	\$7,595,297.60	1,529,007	0.07%	97.36%	\$3.97	\$3.316
Oct-14	2,059,231,000	2,118,827,503	97.20%	\$8,175,147.07	\$7,025,368.80	786,729	0.04%	97.23%	\$3.97	\$3.316
Nov-14	1,930,966,000	1,981,464,656	97.45%	\$7,865,935.02	\$6,570,536.80	772,326	0.04%	97.49%	\$3.97	\$3.316
Dec-14	1,988,067,000	2,049,776,840	96.99%	\$7,892,625.99	\$6,797,060.00	675,456	0.03%	97.02%	\$3.97	\$3.316
Jan-15	2,054,769,000	2,114,481,626	97.18%	\$9,616,318.92	\$8,062,518.44	717,028	0.03%	97.21%	\$4.68	\$3.813
Feb-15	1,886,817,000	1,941,072,846	97.20%	\$8,830,303.56	\$7,401,310.76	543,923	0.03%	97.23%	\$4.68	\$3.813
Mar-15	2,094,277,000	2,161,266,992	96.90%	\$9,801,216.36	\$8,240,911.04	965,682	0.04%	96.95%	\$4.68	\$3.813
Apr-15	1,984,985,000	2,045,765,854	97.03%	\$9,289,729.80	\$7,800,505.20	10,301,376	0.50%	97.53%	\$4.68	\$3.813
May-15	2,215,394,000	2,283,051,057	97.04%	\$10,744,660.90	\$8,705,273.68	649,444	0.03%	97.06%	\$4.85	\$3.813
Jun-15	2,198,780,000	2,268,453,659	96.93%	\$10,654,383.00	\$8,641,987.80	468,148	0.02%	96.95%	\$4.85	\$3.813
Jul-15	2,448,256,000	2,522,026,667	97.07%	\$11,874,041.60	\$9,616,487.68	6,454,819	0.26%	97.33%	\$4.85	\$3.813
Aug-15	2,723,202,000	2,807,092,033	97.01%	\$13,207,529.70	\$10,703,441.92	1,048,363	0.04%	97.05%	\$4.85	\$3.813
Sep-15	2,341,098,000	2,428,433,496	96.40%	\$11,354,325.30	\$9,259,616.92	870,425	0.04%	96.44%	\$4.85	\$3.813
Oct-15	2,188,762,000	2,250,656,585	97.25%	\$10,615,495.70	\$8,581,753.56	1,989,028	0.09%	97.34%	\$4.85	\$3.813
Nov-15	1,894,247,000	1,942,187,317	97.53%	\$9,187,097.95	\$7,405,580.24	1,150,890	0.06%	97.59%	\$4.85	\$3.813
Dec-15	1,953,066,000	2,011,680,976	97.09%	\$9,472,370.10	\$7,670,539.56	516,414	0.03%	97.11%	\$4.85	\$3.813
Jan-16	2,033,443,000	2,091,170,472	97.24%	\$9,862,198.55	\$7,973,633.01	862,718	0.04%	97.28%	\$4.85	\$3.813
Feb-16	1,888,296,000	1,941,985,366	97.24%	\$9,158,235.60	\$7,404,780.20	563,984	0.03%	97.26%	\$4.85	\$3.813
Mar-16	1,944,058,000	1,998,231,707	97.39%	\$9,428,881.30	\$7,611,617.24	6,400,732	0.32%	97.71%	\$4.85	\$3.813
Apr-16	1,984,449,000	2,039,789,593	97.29%	\$9,624,577.65	\$7,777,717.72	9,448,858	0.46%	97.75%	\$4.85	\$3.813
May-16	2,268,225,000	2,338,752,195	96.98%	\$10,887,480.00	\$8,917,662.12	274,300	0.01%	97.00%	\$4.80	\$3.813
Jun-16	2,454,342,000	2,529,910,244	97.01%	\$11,780,841.60	\$9,646,547.76	5,182,282	0.20%	97.22%	\$4.80	\$3.813
Jul-16	2,641,551,000	2,744,681,626	96.24%	\$12,679,444.80	\$10,465,471.04	585,600	0.02%	96.26%	\$4.80	\$3.813
Aug-16	2,533,936,000	2,608,237,398	97.15%	\$12,162,892.80	\$9,945,209.20	701,544	0.03%	97.18%	\$4.80	\$3.813
Sep-16	2,369,372,000	2,450,251,707	96.70%	\$11,372,985.60	\$9,342,809.76	6,309,731	0.26%	96.96%	\$4.80	\$3.813
Oct-16	2,060,379,000	2,130,675,122	96.70%	\$9,889,819.20	\$8,124,264.24	3,337,311	0.16%	96.86%	\$4.80	\$3.813
Nov-16	1,889,508,000	1,958,403,252	96.48%	\$9,069,638.40	\$7,467,391.60	9,473,395	0.48%	96.97%	\$4.80	\$3.813
Dec-16	2,041,053,000	2,106,979,512	96.87%	\$9,797,054.40	\$8,033,912.88	750,196	0.04%	96.91%	\$4.80	\$3.813
Jan-17	2,029,392,000	2,086,470,244	97.26%	\$9,741,081.60	\$7,955,711.04	650,780	0.03%	97.30%	\$4.80	\$3.813
Feb-17	1,780,930,000	1,839,102,439	96.84%	\$8,548,464.00	\$7,012,497.60	502,527	0.03%	96.86%	\$4.80	\$3.813
Mar-17	1,921,309,000	1,973,392,520	97.36%	\$9,222,283.20	\$7,524,545.68	6,065,580	0.31%	97.67%	\$4.80	\$3.813
TOTALS (1)	723,935,148,798	744,415,159,219	97.25%	\$1,346,558,537.93	\$1,229,282,510.89	734,160,589	0.10%	97.35%	\$1.86	\$1.651

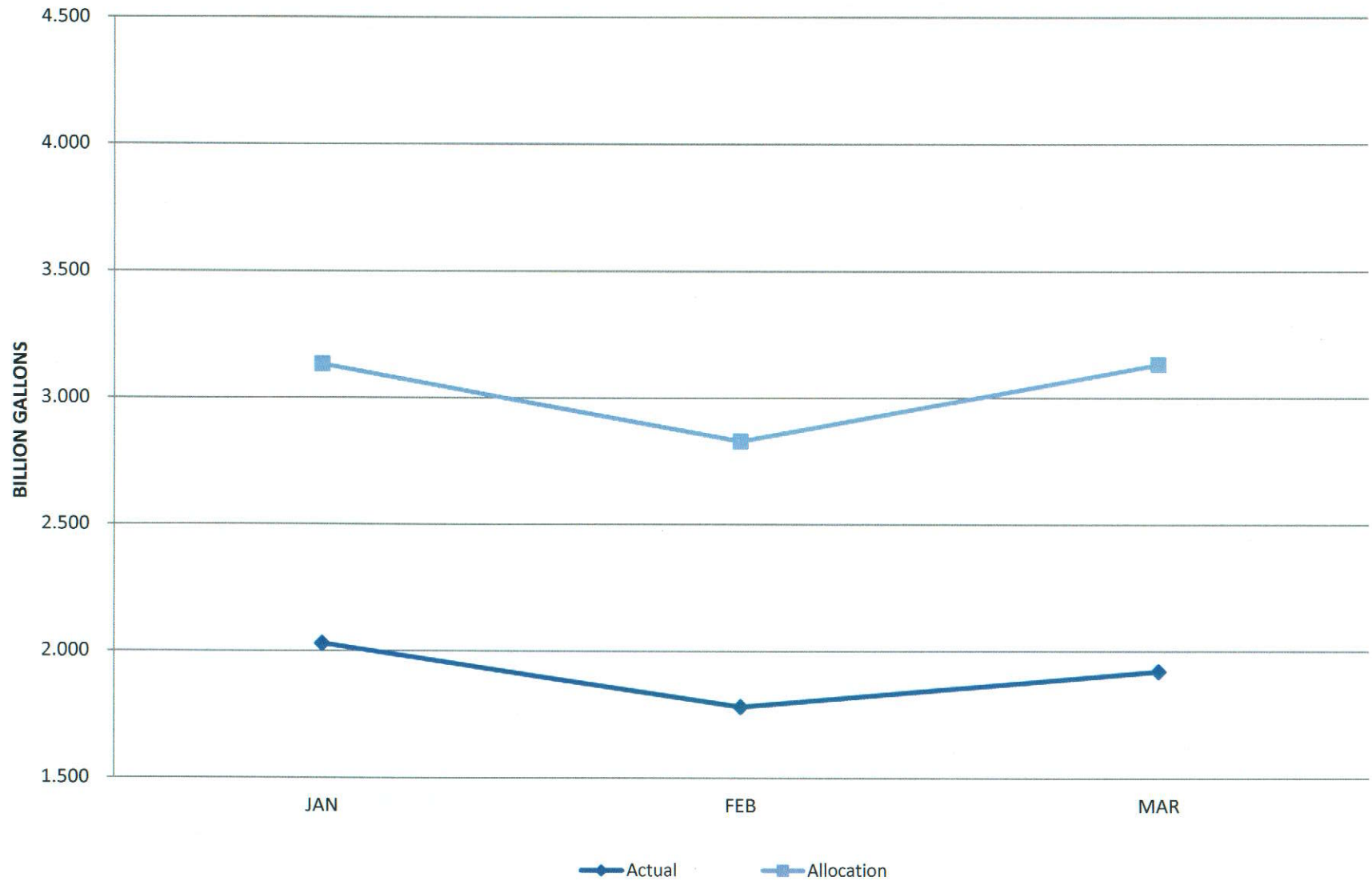
(1) - SINCE MAY 1, 1992

(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

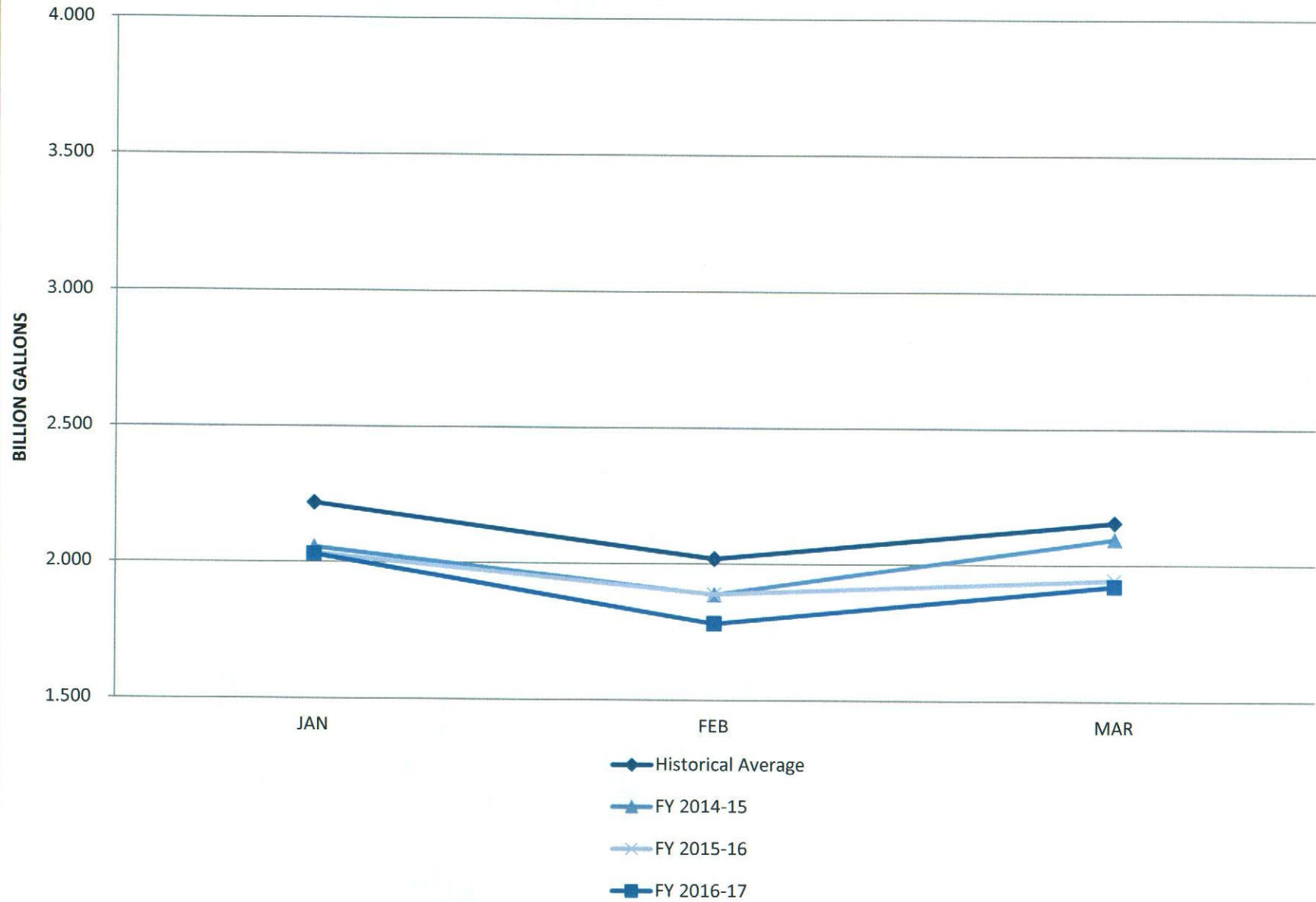
(3) - DOES NOT INCLUDE FIXED COST PAYMENTS

YTD										
Mar-16	23,826,602,000	24,540,969,335	97.09%	115,559,020	93,574,702				\$4.85	\$3.813
Mar-17	23,989,997,000	24,766,856,259	96.86%	115,151,986	94,436,023				\$4.80	\$3.813
	163,395,000	225,886,924		(\$407,034)	\$861,321					
	0.7%	0.9%		-0.4%	0.9%					
Month										
Mar-16	1,944,058,000	1,996,231,707	97.39%	9,428,681	7,611,617				\$4.85	\$3.813
Mar-17	1,921,309,000	1,973,392,520	97.36%	9,222,283	7,524,546				\$4.80	\$3.813
	(22,749,000)	(22,839,187)		(\$206,398)	(\$87,072)					
	-1.2%	-1.1%		-2.2%	-1.1%					
Mar>Feb	140,379,000	134,290,081		673,819	512,048					

DU PAGE WATER COMMISSION SALES FY 2016-17 VS. ALLOCATION

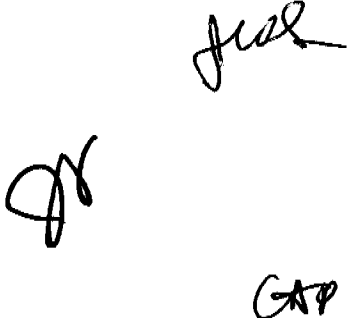


DU PAGE WATER COMMISSION SALES FY 2016-17, 2015-16 & 2014-15 VS. HISTORICAL AVERAGE



DATE: April 12, 2017

REQUEST FOR BOARD ACTION

AGENDA SECTION	Engineering & Construction Committee	ORIGINATING DEPARTMENT	Instrumentation/ Remote Facilities
ITEM	A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-7/15 at the April 20, 2017, DuPage Water Commission Meeting (WAO 7.013) Resolution No. R-10-17	APPROVAL	
Account Numbers: 01-60-663300 (\$2,500)			
<p>The Commission entered into certain agreements dated December 29, 2015, with McWilliams Electric Co. Inc. and with Windy City Electric Co. for quick response electrical work as needed through the issuance of Work Authorization Orders. Resolution No. R-10-17 would approve the following Work Authorization Order under the Quick Response Electrical Contracts:</p> <p>Work Authorization Order No. 013: This work authorization is to McWilliams Electric Co. Inc., and the work completed, prior to board approval and was in response to repairing a damaged conduit for SCADA communication antenna cable at Meter Station 7B/8F in Darien. The conduit goes up the side of a light pole base for the antenna near the top of the light pole. Staff technicians found the crushed conduit during a routine inspection of the station. The damage is about bumper height apparently struck by a vehicle. After repair a galvanized steel shroud will be anchored to the light pole base surrounding the conduit to prevent future similar damage.</p> <p>The total cost for this work is not known but is estimated at \$2,500.</p>			
MOTION: To adopt Resolution No. R-10-17.			

DuPAGE WATER COMMISSION

RESOLUTION NO. R-10-17

A RESOLUTION APPROVING AND RATIFYING
CERTAIN WORK AUTHORIZATION ORDERS
UNDER QUICK RESPONSE ELECTRICAL CONTRACT QRE-7/15
AT THE APRIL 20, 2017, DuPAGE WATER COMMISSION MEETING

WHEREAS, the DuPage Water Commission (the "Commission") entered into certain agreements dated December 29, 2015, with McWilliams Electric Co. Inc. and with Windy City Electric Co., for quick response electrical work related to the Commission's Waterworks System (said agreements being hereinafter collectively referred to as "Contract QRE-7/15"); and

WHEREAS, Contract QRE-7/15 is designed to allow the Commission to direct one or more or all of the quick response electrical contractors to perform emergency electrical work, including without limitation electrical work that the Commission is unable to perform through its own personnel and with its own equipment, as needed through the issuance of Work Authorization Orders; and

WHEREAS, the need for such emergency electrical work could not have been reasonably foreseen at the time the contracts were signed;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are by this reference incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The Work Authorization Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 shall be and hereby are

Resolution No. R-10-17

approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff, that the circumstances said to necessitate the Work Authorization Orders were not reasonably foreseeable at the time the contracts were signed, the Work Authorization Orders are germane to the original contracts as signed, and/or the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall constitute the written determination required by Section 33E-9 of the Criminal Code of 1961 and shall be in full force and effect from and after its adoption.

AYES:

NAYS:

ABSENT:

ADOPTED this ____ day of _____, 2017

Chairman

ATTEST:

Clerk

Exhibit 1

WORK AUTHORIZATION ORDER

SHEET 1 OF 2

CONTRACT QRE-7/15: QUICK RESPONSE ELECTRICAL CONTRACT

PROJECT: QRE-7.013

LOCATION:

Meter Station 7B/8F, 2101 75th St, Darien

CONTRACTOR:

McWilliams Electric Co., Inc.

DESCRIPTION OF WORK:

Repair crushed conduit for antenna cable going up light pole. Add a galvanized steel shroud anchored to light pole base surrounding conduit to prevent future damage to conduit.

REASON FOR WORK:

Heavy wall ridged conduit must have been hit by a vehicle, it is crushed about bumper height. Noticed by staff technician's during inspection of meter station.

MINIMUM RESPONSE TIME:

None

**COMMISSION-SUPPLIED MATERIALS, EQUIPMENT
AND SUPPLIES TO BE INCORPORATED INTO THE WORK:**

None

THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER

IS IS NOT PRIORITY EMERGENCY WORK

SUBMITTALS REQUESTED:

None

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

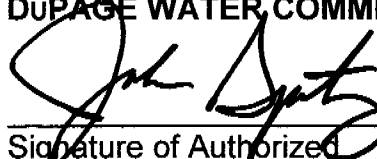
None

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

None

DUPAGE WATER COMMISSION

By:



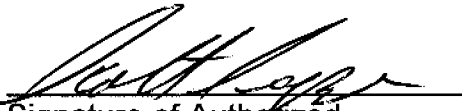
Signature of Authorized
Representative

DATE:

3-13-17

CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:

By:



Signature of Authorized
Representative

Safety Rep:

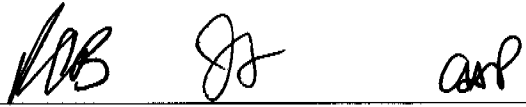
Jerry McGlynn, (847)301-2600
Name and 24-Hr Phone No.

DATE:

4-3-17

DATE: April 13, 2017

REQUEST FOR BOARD ACTION

AGENDA SECTION	Engineering & Construction Committee	ORIGINATING DEPARTMENT	Safety Coordinator
ITEM	A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with AECOM Technical Services, Inc. Resolution No. R-11-17	APPROVAL 	
Account No.: 01-60-771200 - \$67,900.00			
<p>OSHA (29CFR1910.269) and the National Electric Code (NFPA 70 and NFPA 70E) require facilities like the DuPage Water Commission to field mark electrical distribution equipment that are likely to require examination, adjustment, service or maintenance while energized; to warn Qualified Persons of potential electric Arc Flash hazards; and, to identify the required Personal Protective Equipment (PPE) that must be worn when operating this equipment. In order to field mark (label) the electrical distribution equipment to protect personnel from the possibility of being injured by an Arc Flash, a Flash Hazard Analysis is required.</p> <p>There are approximately 132 separate DuPage Water Commission owned and operated remote sites that have 120/240V and 120/208V service. In addition, at one remote location known as the DWC/Schaumburg Emergency Interconnection, the service voltage is 480/277V. For this location, a Short Circuit and Protective Curve Coordination Calculations as well as an Arc Flash Hazard analysis must be performed by qualified electrical engineers.</p> <p>The Commission has previously entered into Master Contracts with several firms for professional engineering services. Staff requested proposals from three (3) of these firms which have satisfactorily performed Arc Flash Analysis for the Commission within other construction projects or Task Orders.</p> <p>After the three firms received the initial Request for Qualifications and submitted same, Staff met with each firm individually for each firm to better understand the request; for each firm to submit a detailed scope of work; to submit a proposed timeline schedule; and, submit a cost proposal to complete the task. With all firms being judged as equally qualified to perform the work and the timeline schedules being identical, the cost of the work is left to being the determining factor.</p>			

Resolution No. R-11-17

AGENDA SECTION	Engineering & Construction Committee	ORIGINATING DEPARTMENT	Safety Coordinator						
ITEM	A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with AECOM Technical Services, Inc. Resolution No. R-11-17	APPROVAL							
<p>The proposals received, are as tabulated below; the proposal deemed most favorable to the Commission is the proposal of AECOM Technical Services, Inc.:</p> <table data-bbox="487 714 1234 840"> <tr> <td>AECOM Technical Services, Inc.</td> <td>\$67,900.00</td> </tr> <tr> <td>Greeley and Hansen, LLC</td> <td>\$111,987.56</td> </tr> <tr> <td>CDM Smith, Inc.</td> <td>\$189,938.00</td> </tr> </table> <p>The proposed work is included in the 2017/2018 Management Budget.</p>				AECOM Technical Services, Inc.	\$67,900.00	Greeley and Hansen, LLC	\$111,987.56	CDM Smith, Inc.	\$189,938.00
AECOM Technical Services, Inc.	\$67,900.00								
Greeley and Hansen, LLC	\$111,987.56								
CDM Smith, Inc.	\$189,938.00								
<p>MOTION: Approve R-11-17 and Task Order No. 5 to the Master Contract with AECOM Technical Services, Inc.</p>									

DUPAGE WATER COMMISSION

RESOLUTION NO. R-11-17

A RESOLUTION APPROVING AND RATIFYING CERTAIN
TASK ORDERS UNDER A MASTER CONTRACT
WITH AECOM TECHNICAL SERVICES, INC. AT THE
APRIL 20, 2017, DUPAGE WATER COMMISSION MEETING

WHEREAS, the DuPage Water Commission (the "Commission") entered into a contract with AECOM Technical Services, Inc. (the "Consultant") to provide, from time to time, professional engineering services in connection with various projects of the Commission (the "Master Contract"); and

WHEREAS, the Master Contract sets forth the terms and conditions pursuant to which the Commission will obtain from time to time, and the Consultant will provide from time to time, professional engineering services for such discrete projects as are delineated and described in Task Orders to be approved by the Commission and the Consultant; and

WHEREAS, the Consultant has approved the Task Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 (the "Task Orders");

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The Task Orders attached hereto as Exhibit 1 shall be and hereby are approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff and the Consultant, that the circumstances said to necessitate the Task Orders were not

reasonably foreseeable at the time the Master Contract was signed, the Task Orders are germane to the Master Contract as signed, and/or the Task Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall constitute the written determination required by Section 33E-9 of Article 33E of the Criminal Code of 1961 and shall be in full force and effect from and after its adoption.

AYES:

NAYS:

ABSENT:

ADOPTED THIS _____ DAY OF _____, 2017.

Chairman

ATTEST:

Clerk

EXHIBIT 1

TASK ORDER NO. 5

In accordance with Section 1.1 of the Master Contract for Professional Engineering Services Owner and Consultant agree as follows:

1. **Project:**

2017 Electrical Safety Studies for the DuPage Water Commission

2. **Services of Consultant:**

Task 1 — Kick-Off Meeting, Data Gathering and Site Visits:

- a. Attend Kick-Off Meeting, collect data and drawings on existing facilities from Owner;
- b. Contact and work directly with Owner's Staff, Commonwealth Edison Engineering Staff, the City of Naperville's DPU-E Engineering Staff, the Chicago Transit Authority's Engineering Staff to collect applicable electrical data on the electrical services feeding and installed equipment at Commission facilities;
- c. Conduct remote site visits as necessary to gather sufficient data to perform analyses. Data collection at seventy-three (73) of the remote sites will be gathered by others and made available to AECOM for performing Electrical System Analysis and Software Modelling.

Task 2 — Electrical System Analysis and Software Modelling:

- a. Using gathered data, perform computerized analyses of electrical characteristics of the Remote Facilities;
- b. Review the existing SKM model from previous DuPage Pumping Station analyses and update to address all existing electrical equipment previously rated as now de-classified Hazard Risk Category 0 (Zero) with the outcome being an appropriately classified Hazard Risk Category.

Task 3 — Report Delivery and Owner Meetings:

- a. After performing analyses and modelling, issue a Preliminary Report and meet with Owner;
- b. Incorporate Owner's comments received from Preliminary Report and meeting into Final Report;
- c. Issue four (4) paper copies and one (1) .pdf copy of the Final Report.

Task 4 — Provide Adequate Safety Labels:

- a. After performing analyses and modelling, print and provide Owner with sufficient data, in sufficient quantities and size labels to comply with the Labelling Requirements of NFPA 70E 2015;

- b. Owner's Staff will be responsible for installation of the labels.

Task 5 – Conduct Training of Owner's Technical Staff:

- a. Conduct two (2) 4-hour training sessions for DWC staff. Sessions will be led by AECOM and conducted at the DWC facility on separate days.
3. **Approvals and Authorizations:** Consultant shall obtain the following approvals and authorizations:

None.
 4. **Commencement Date:**

April 24, 2017
 5. **Completion Date:**

12 Weeks from Notice to Proceed, followed by Owner's Staff training at mutually agreeable dates and times.
 6. **Submittal Schedule:**

None.
 7. **Key Project Personnel:**

Michael Winegard, P.E.

Brian Westendorf, P.E.

Dennis Hill, P.E.
 8. **Contract Price:**

For providing, performing, and completing all Services, an amount equal to Consultant's Direct Labor Costs for all Services rendered by principals and employees engaged directly on the Project, plus an amount equal to the actual costs of all Reimbursable Expenses.

Notwithstanding the foregoing, the total Contract Price shall be \$67,900.00. The contract price maybe adjusted by a Change Order issued pursuant to Section 2.1 of the Contract.

9. **Payments:**

Direct Labor Costs shall mean the billing rate of all Consultants personnel including all professionals whether owners or employees, engaged directly on the Project.

Reimbursable Expenses shall mean the actual expenses incurred by Consultant directly or indirectly in connection with the Project, including expenses for transportation, telephone, postage, computer time and other highly specialized equipment, reproduction and similar Project related items.

10. **Modifications to Contract:**

None

11. **Attachments:**

None

Notwithstanding anything hereunder or in the Agreement, Consultant shall provide its services in a manner consistent with a standard provided by similar professionals, in a similar location, at a similar time. It is also understood that Consultant shall not be responsible for any means, methods, techniques, sequences and safety related to construction.

Approval and Acceptance: Acceptance and approval of this Task Order, including the attachments listed above, shall incorporate this Task Order as part of the Contract.

The Effective Date of this Task Order is April 21, 2017.

DUPAGE WATER COMMISSION

By: _____

John Spatz
General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: R. Christopher Bostick

Title: Facilities Construction Supervisor / Safety Coordinator

Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642

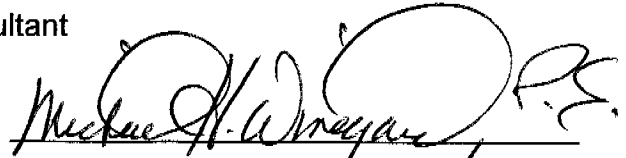
E-mail Address: bostick@dpwc.org

Phone: (630) 834-0100

Fax: (630) 834-0120

Consultant

By:

A handwritten signature in black ink, appearing to read "Michael H. Winegard", written over a horizontal line. The signature is stylized and includes a large, circular flourish at the end.

Name:

Michael H. Winegard

Title:

Vice President

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Michael H. Winegard



Title: Vice President

Address: 303 East Wacker Dr., Suite 1400, Chicago IL 60601

E-mail Address: mike.winegard@aecom.com

Phone: (312) 373-6631

REQUEST FOR BOARD ACTION

AGENDA SECTION	Engineering and Construction Committee	ORIGINATING DEPARTMENT	Operations
ITEM	Authorization for the General Manager to execute a two (2) year Work Wear Supply unit price contract with Villa Park Electrical Supply Co., Inc. for employee uniforms at the DuPage Water Commission for the estimated two-year amount of \$27,156.95	APPROVAL  	

Account Number: 01-60-6626

This request would authorize the General Manager to execute a two (2) year Work Wear Supply unit price contract with Villa Park Electrical Supply Co., Inc. for non-Arc-Rated and Arc-Rated employee uniforms at the DuPage Water Commission for the estimated two-year amount of \$27,156.95.

This is an approved budgeted item.

The Commission solicited sealed proposals for a Work Wear Supply at the DuPage Water Commission by direct invitation, as well as by notice published in the *Daily Herald* on March 7, 2017 and by posting the notice of the solicitation on the Commission's website starting March 7, 2017 and ending on March 28, 2017. Sealed proposals were received until 1:00 p.m., local time, March 28, 2017, at which time all proposals were publicly opened and read aloud.

Of the five (5) companies that held copies of the bid packet, two (2) proposals were received as well as one (1) unsolicited proposal. Of the three (3) proposals received (see tabulation below), the proposal of Villa Park Electrical Supply Co., Inc. was found to be the lowest responsible bidder and most favorable to the interests of the Commission.

Company	Bid Result
Red Wing Shoes	\$30,852.85
Silk Screens Express, Inc.	\$29,104.50
Villa Park Electrical Supply Co., Inc.	\$27,156.95

MOTION: To authorize the General Manager to execute a two (2) year Work Wear Supply unit price contract with Villa Park Electrical Supply Co., Inc. for employee uniforms at the DuPage Water Commission for the estimated two-year amount of \$27,156.95.